

J. A. DANIS.
METAL HORN.

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967,618.

Patented Aug. 16, 1910.

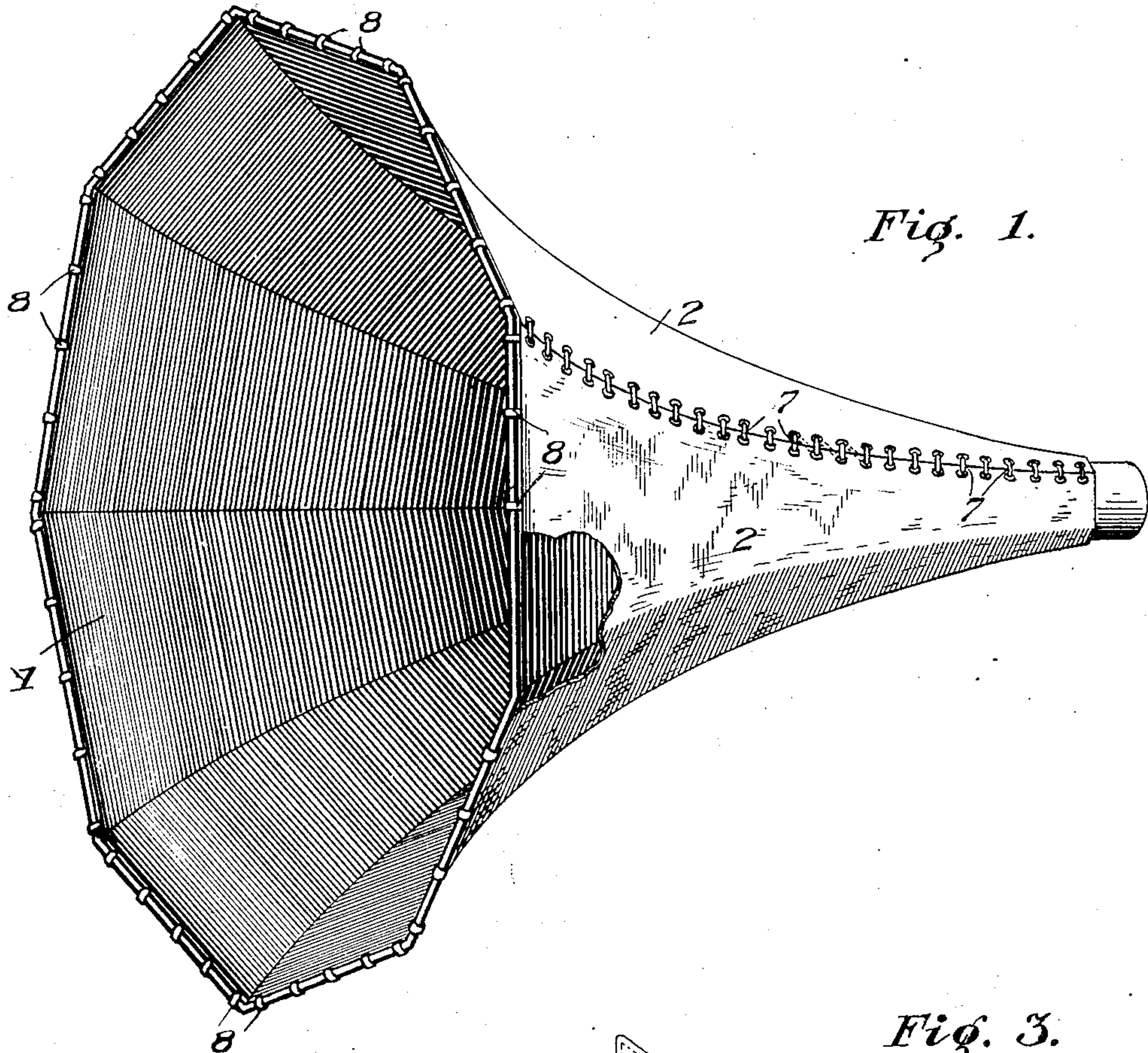


Fig. 1.

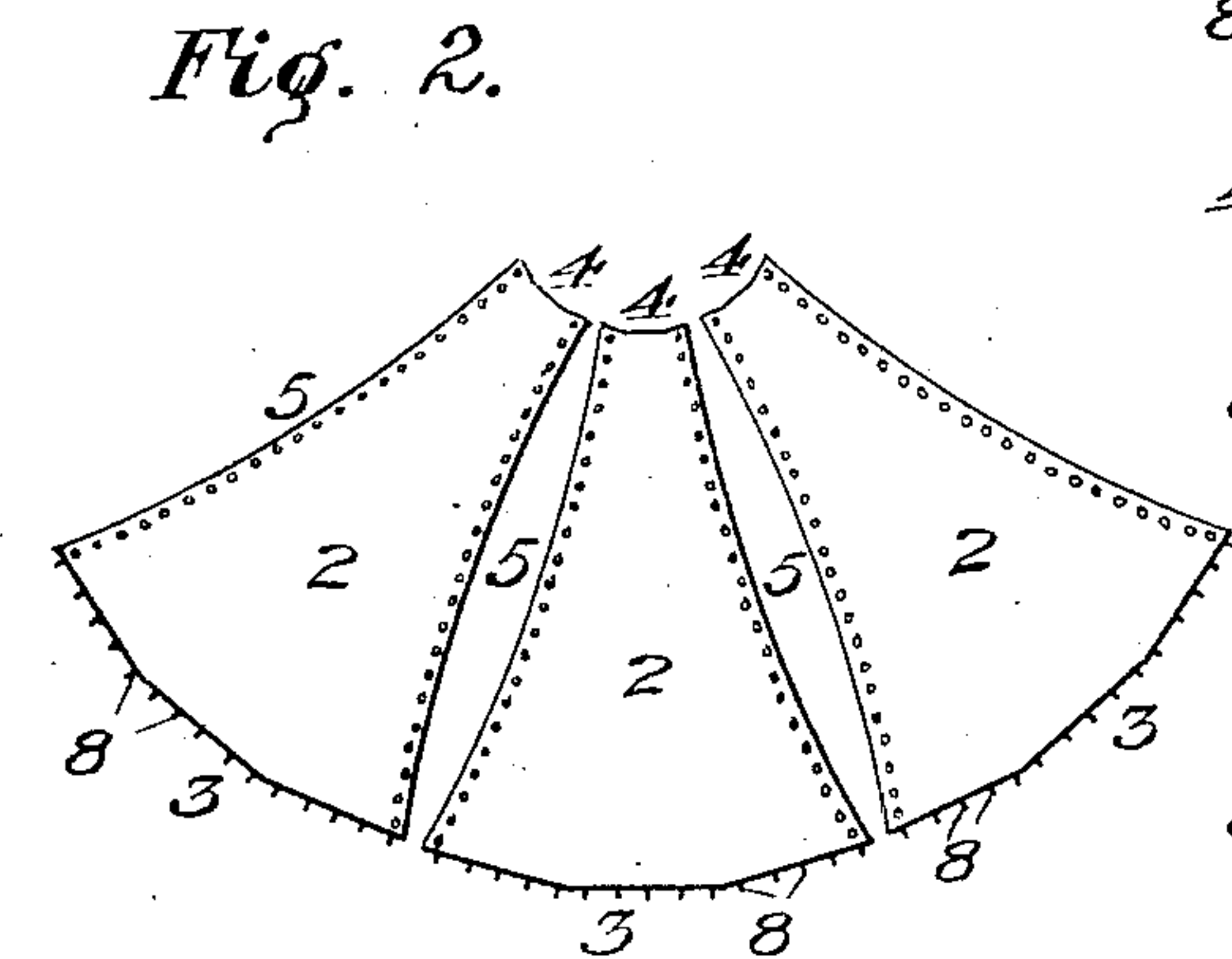


Fig. 2.

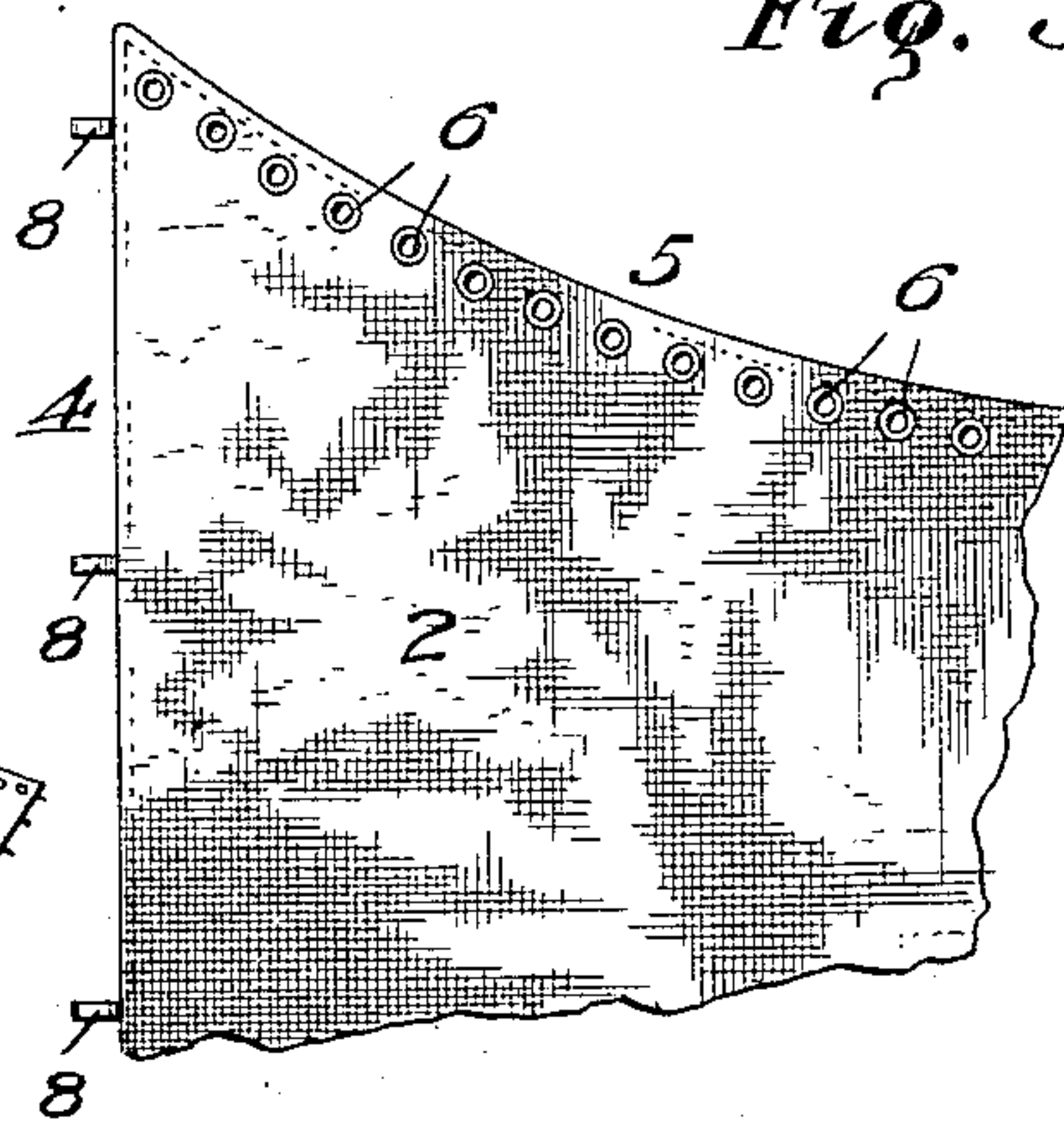


Fig. 3.

Witnesses:
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UNITED STATES PATENT OFFICE.

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METAL HORN.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOSEPH ADELOR DANIS, a citizen of the United States, residing at the city of Burlington, in the county of Chittenden and State of Vermont, have invented a new and useful Improvement in Metal Horns, of which the following is a specification.

This invention relates to horns or amplifiers for phonographic apparatus, and its object is to provide means for dampening the vibrations of said horn when made of metal, so that the tone of the instrument will be sweeter and smoother. The means which I use to accomplish this result comprises a cover for the horn made of textile fabric and detachably secured to said horn. To insure a good fit, the cover is made in sections, provided with means for lacing them together, and at its larger end said cover is also provided with hooks which catch over the edge of the metal horn and hold the cover tightly stretched, and in close contact with said horn.

In the accompanying drawing, Figure 1 is a perspective view of a metal horn or amplifier provided with my improved cover. Fig. 2 shows the sections from which the cover is made, and Fig. 3 is a view on a larger scale of one corner of a section showing the eyelets and hooks with which it is provided.

The horn 1 is made of metal in the customary bell-mouthed or flaring shape. The cover is composed of a plurality of sections 2 cut out of textile material. The combined

length of the larger ends 3 of said sections is just sufficient to encircle the mouth of the horn, while the combined lengths of the smaller ends 4 of said sections will just go around the small end of said horn. The edges 5 of the sections are concaved so that the cover will snugly hug the horn throughout its entire length. Along said curved edges the sections are provided with eyelets 6 to receive the lacings 7 by which the sections are held together. When the completed cover is drawn over the horn, the hooks 8 along the large ends of the sections are pulled over the edges of the mouth of the horn, where they are retained by the elasticity of the textile fabric of which the cover is made, so that it will fit closely and smoothly all over the outer surface of the horn. It can be readily removed by disengaging the hooks and slipping it off over the small end of the horn, after removing the latter from the talking machine.

Claim:

The combination with the metal horn of a talking machine, of a detachable cover of textile material, composed of sections shaped to fit said horn snugly and laced together along their edges, and hooks at the larger end of said cover adapted to be engaged with the edge of the mouth of said horn and retained there by the elasticity of the material.

JOSEPH ADELOR DANIS.

Witnesses:

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